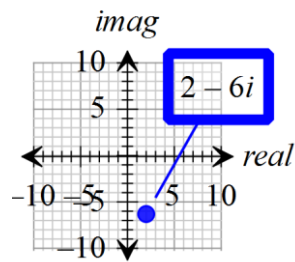
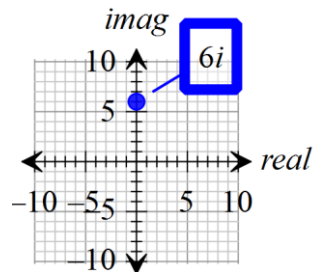


9.4 Trig. Form of Complex Numbers odd answers

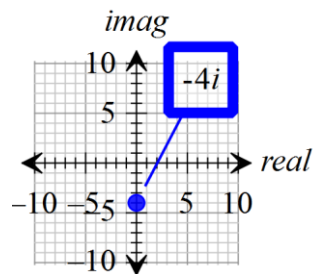
1. abs. value: $2\sqrt{10}$



3. abs. value: 6



5. abs. value: 4



7. $z = 3\sqrt{2}(\cos 135^\circ + i \sin 135^\circ)$

9. $z = 8(\cos 0^\circ + i \sin 0^\circ)$

11. $z = 2(\cos 150^\circ + i \sin 150^\circ)$

13. $1 + i$

15. $\frac{\sqrt{3}}{2} + \frac{3}{2}i$

17. $6i$

19. $\sqrt{3} + i$

21. $-0.11 + 0.70i$

23. $\frac{3\sqrt{2}}{2} + \frac{i\sqrt{6}}{2}$

25. $z_1 z_2 = -40i$

27. $z_1 z_2 = -17.99 + 14.01i$

29. $\frac{z_1}{z_2} = \frac{-4}{5}$

31. $\frac{z_1}{z_2} = .46 + 1.69i$

33. 9

35. 2